

Title (en)
FORCE SENSORS, FORCE SENSOR CONTROLLED ELECTRONICS, AND FORCE SENSOR CONTROLLED CONDUCTIVE HEATING ELEMENTS

Title (de)
KRAFTSENSOREN, KRAFTSENSORGESTEUERTE ELEKTRONIK UND KRAFTSENSORGESTEUERTE LEITFÄHIGE HEIZELEMENTE

Title (fr)
CAPTEURS DE FORCE, ÉLECTRONIQUE COMMANDÉE PAR CAPTEUR DE FORCE ET ÉLÉMENTS CHAUFFANTS CONDUCTEURS COMMANDÉS PAR CAPTEUR DE FORCE

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Abstract (en)
[origin: WO2022251742A1] Described herein are methods for forming resistive heaters and force sensing elements on a flexible substrate, and devices that include these elements to provide a force responsive conductive heater, such as a seat heater in a vehicle. The methods include printing a conductive ink on a flexible substrate that is heated to 30oC to 90oC before and/or during the printing process and curing the substrate to produce a conductive pattern thereon. The conductive inks generally include a particle-free metal-complex composition formulated from at least one metal complex and a solvent, and optionally, a conductive filler material.

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